

# B-GENIUS-H<sup>®</sup>

## PRESS BRAKE

+ INDUSTRY 4.0



### STANDARD

- 7 Axis CNC:
  - + Y1, Y2 precision ram positioning
  - + X, R precision servo-driven back gauge
  - + Z1, Z2 Axes
- Back CNC crowning
- Large trio of value:
  - + Large open height
  - + Large stroke
  - + Large throat depth
- Safety laser with manual F. AKAS II M -FPSC-B-C + safety covers with switch
- Delem DA-66T touch screen CNC control unit with 3D graphical visualization
- Clamping:
  - + American/European section-style box punch clamps
  - + American-only style punch clamp available
- Standard X Axis travel is 32.3" with third gauge step capable of gauging parts up to 41.7" with standard back gauge (most machines)
- Stable and fast AC servo motor-driven precision back gauge with linear guide and ball bearing system (X, R, Z1, Z2)
- Quick-set sliding front sheet support arms with full-length linear guide, tilting stop and T-slot (front gauge squaring, etc.)
- Protection covers (side and rear safety doors)
- Rear work light
- World-class electronic components that are easily replaceable (parts stocked by us or available off-the-shelf from your local supplier):
  - + Electronics system (Siemens, Schneider, Mitsubishi)
- Adjustable height suspension control unit arm
- High-yield plate construction
- Ability to accurately fade ram
- Stage bending
- Automatic bend sequence determination
- Automatic stretch length calculator for blank size determination

### OPTIONAL

- Safety laser: Motorized F. AKAS III M
- Light curtain: SICK C 4000 for tandem/trio/quad machines
- Adaptive bending sensors (angle measurement)
- Up to 14+ Axes available:
  - + X1, X2 Axes
  - + R1, R2 Axes
  - + X Prime (Delta X) Axis, +/- 5" stroke (10" total)
  - + X Axis = 40" external travel – back protection with light barrier
  - + X1, X2 Axes for light pole production
  - + Sheet follower with sliding guide – motorized height adjustment
  - + Front feeding system with supports
  - + Front feeding system with supports – pneumatic pushers
- Other CNC control units available:
  - + Delem DA-69T touch screen 2D/3D CNC control
  - + Cybelec ModEva 10S/12S/15S 3D with PC 1200 3D SW
- Clamping:
  - + Quick release clamping
  - + RMT hydraulic or mechanical clamping
  - + Wila or Wilson hydraulic or mechanical clamping
- Various tool options (RMT, Euro-American, Wila or Wilson)
- Extended back gauge stroke & back protection with light barrier
- Off-line software (V-Bend, Radbend, Profile-W)
- Tooling packages
- Multiple brake configurations available:
  - + Tandem configuration
  - + Trio configuration
  - + Quad configuration
  - + High tonnage flush floor models
- Custom Colors

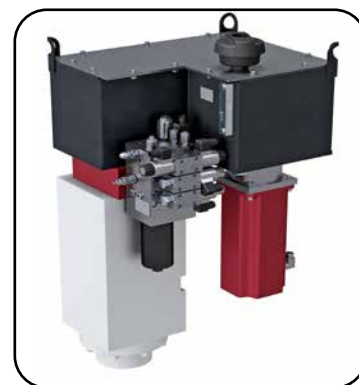


# B-GENIUS-H

B-GENIUS-H SERIES	STANDARD MACHINE CHARACTERISTICS										
	BENDING FORCE	BENDING LENGTH	DISTANCE BETWEEN FRAMES	LENGTH OF RAM STROKE	DAYLIGHT	THROAT DEPTH	BED HEIGHT	BED CAP WIDTH (STANDARD)	BED CAP WIDTH (OPTIONAL)	# SLIDING FRONT SUPPORT ARMS	OIL TANK CAPACITY
	(US)	A	B	C	D	E	F	G1	G2	QTY	
	Tons	Feet	Feet	Inch	Inch	Inch	Inch	Inch	Inch	Pcs.	Gal
B-GENIUS-H 8-110	110	8' 6"	7' 3"	11"	20.9"	16.1"	35.4"	4"	7"	2	9
B-GENIUS-H 10-110	110	10' 2"	8' 4"	11"	20.9"	16.1"	35.4"	4"	7"	2	9
B-GENIUS-H 8-150	150	8' 6"	7' 3"	11"	21.7"	16.1"	35.4"	4"	7"	2	9
B-GENIUS-H 10-150	150	10' 2"	8' 4"	11"	21.7"	16.1"	35.4"	4"	7"	2	9
B-GENIUS-H 12-150	150	12' 4"	10' 8"	11"	21.7"	16.1"	35.4"	4"	7"	2	9
B-GENIUS-H 13-150	150	13' 5"	11' 10"	11"	21.7"	16.1"	35.4"	4"	7"	2	9
B-GENIUS-H 14-150	150	14'	12' 5"	11"	21.7"	16.1"	35.4"	4"	7"	2	9
B-GENIUS-H 10-200	200	10' 2"	8' 4"	11"	21.7"	16.1"	35.4"	4"	10"	2	9
B-GENIUS-H 12-200	200	12' 4"	10' 8"	11"	21.7"	16.1"	35.4"	4"	10"	2	15
B-GENIUS-H 13-200	200	13' 5"	11' 10"	11"	21.7"	16.1"	35.4"	4"	10"	2	15
B-GENIUS-H 14-200	200	14'	12' 5"	11"	21.7"	16.1"	35.4"	4"	10"	2	15
B-GENIUS-H 10-250	250	10' 2"	8' 4"	11"	21.7"	16.1"	35.4"	8"	10"	2	15
B-GENIUS-H 12-250	250	12' 4"	10' 8"	11"	21.7"	16.1"	35.4"	6"	10"	2	15
B-GENIUS-H 13-250	250	13' 5"	11' 10"	11"	21.7"	16.1"	35.4"	6"	10"	2	15
B-GENIUS-H 14-250	250	14'	12' 5"	11"	21.7"	16.1"	35.4"	6"	10"	2	15
B-GENIUS-H 10-300	300	10' 2"	8' 4"	11"	21.7"	16.1"	35.4"	6"	10"	2	15
B-GENIUS-H 12-300	300	12' 4"	10' 8"	11"	21.7"	16.1"	35.4"	6"	10"	2	15
B-GENIUS-H 13-300	300	13' 5"	11' 10"	11"	21.7"	16.1"	35.4"	8"	10"	2	15
B-GENIUS-H 14-300	300	14'	12' 5"	11"	21.7"	16.1"	35.4"	8"	10"	2	15

Due to ongoing product development, machine specifications can change at any time.

## Hybrid Servo Hydraulic System



# B-GENIUS-H



B-GENIUS-H SERIES	RAM SPEEDS PROGRAMMABLE					BACK GAUGE SYSTEM							MACHINE DIMENSIONS			
	Y-AXIS APPROACH SPEED	Y-AXIS FORMING SPEED	Y-AXIS FORMING SPEED UP TO 350 TON	DECOMPRESSION	Y-AXIS RETURN SPEED	X-AXIS SPEED	X-AXIS TRAVEL	3 <sup>RD</sup> GAUGEABLE FINGER POSITION	R-AXIS MAX SPEED	R-AXIS TRAVEL	Z1-Z2 AXIS MAX. SPEED	# BACKGAUGE FINGER BLOCKS	LENGTH	WIDTH	HEIGHT	APPROX. WEIGHT
	Prog.	Prog.	Opt.	Prog.	Prog.	Prog.	Prog.	Prog.	Std.	Std.	Opt.	QTY	L	W	H	lbs
	I.P.M.	I.P.M.	I.P.M.	I.P.M.	I.P.M.	I.P.M.	Inch	Inch	I.P.M.	Inch	I.P.M.	Pcs.	Inch	Inch	Inch	lbs
B-GENIUS-H 8-110	94-472	0-24	0-50	0-24	94-472	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	181"	87"	106"	13,451
B-GENIUS-H 10-110	94-472	0-24	0-50	0-24	94-472	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	201"	87"	106"	14,553
B-GENIUS-H 8-150	76-378	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	181"	87"	106"	16,538
B-GENIUS-H 10-150	94-472	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	201"	87"	106"	17,940
B-GENIUS-H 12-150	94-472	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	227"	87"	106"	20,617
B-GENIUS-H 13-150	94-472	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	240"	87"	106"	23,814
B-GENIUS-H 14-150	94-472	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	247"	87"	106"	24,255
B-GENIUS-H 10-200	85-425	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	201"	87"	106"	19,404
B-GENIUS-H 12-200	85-425	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	227"	87"	106"	22,381
B-GENIUS-H 13-200	85-425	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	240"	87"	106"	25,358
B-GENIUS-H 14-200	85-425	0-28	0-50	0-24	90-450	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	247"	87"	106"	25,799
B-GENIUS-H 10-250	85-425	0-24	0-50	0-24	94-472	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	201"	89"	106"	24,476
B-GENIUS-H 12-250	85-425	0-24	0-50	0-24	94-472	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	227"	89"	107"	28,004
B-GENIUS-H 13-250	85-425	0-24	0-50	0-24	94-472	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	240"	89"	110"	29,216
B-GENIUS-H 14-250	85-425	0-24	0-50	0-24	94-472	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	247"	89"	110"	29,768
B-GENIUS-H 10-300	66-331	0-26	0-50	0-24	66-331	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	201"	90"	121"	29,768
B-GENIUS-H 12-300	85-425	0-24	0-50	0-24	94-472	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	227"	90"	121"	35,280
B-GENIUS-H 13-300	66-331	0-26	0-50	0-24	66-331	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	240"	90"	122"	37,044
B-GENIUS-H 14-300	66-331	0-26	0-50	0-24	66-331	5-1181	31.5"	41.7"	5-828	9.8"	5-3425	2	247"	90"	122"	37,706

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